Proposal Project #2

Group 4

Members: Kevin Smith, Natalie Shaw, Eric Weber

1. Topic
   1. For this project we will be exploring data collected from the world happiness report.
   2. We plan on creating a visualization for how countries ranked for 2019 and color code appropriately.
   3. After we plan on exploring the 6 variables in developing that score and finding possible correlations to see if one variable had the greatest impact.

* We plan on using machine learning to develop this calculation.
  1. Hypothesis Statement: By finding a linear correlation between the variable we expect that most variables will have the same influence on the world happiness report. We expect one of the variables to have a significantly higher weight (GDP) than the others.
  2. Depending on time allocation we might explore other years to see if there was a change

1. Data Set:
2. Kaggle where to find the data for the World Happiness Report (csv)

<https://www.kaggle.com/unsdsn/world-happiness?select=2019.csv>

1. Presentation Layout:

Interactive Dashboard:

Graphical user interface, application

Description automatically generated

1. Filter: Country (Map) would bring up data in ranking on that country
   1. Correlations for that calculation (showing all 6 variables)

PRIORITIES OF WORK

1)**Database SQL**: Eric Weber

2)**Machine Learning** (correlation Data): Kevin, Eric, Natalie

2)**GitHub Manager**: Kevin Smith

3)**HTML:**

* 1. World Density Map: Natalie Shaw
  2. Drop Down Menu: Kevin Smith
  3. Rankings: Kevin Smith / Eric Weber
  4. Correlation Visualizations: Natalie Shaw

4)**CSS:** Kevin Smith

5)**JAVASCRIPT:** Kevin Smith / Eric Weber